LASER DISPLAY SYSTEM

USER MANUAL

SEVEN STARS®

Big Dipper Laser Science And Technology Co., Ltd

REV: 1.01

Please read this manual carefully before operating

LASER DISPLAY SYSTEM USER MANUAL

Model：K006RG

Notices information

1. This is 3B laser product .Avoid eyes direct exposure to the laser light.

2. Operate abide by the user manual .Do not disassemble or repair the system by yourself. When there is a problem, please contact technician, or your local dealer.

3. Installation should be done by professional technician.

4. Please set the laser product far away from those things as strobe light.

5.The system should be kept dry .please don't exposure the system to wet or dust-laden environment need water proof environment in the open air

6. Do not touch the system by wet hand or pull the power cable forcefully.

7. The work temperature is 10-40℃,so the laser conduct doesn't work normally until it reach the work temperature when taking it in from cold environment .

8. Do not turn on or off the system frequently, and avoid keep it working for long time.

9. Prevent from strong vibration or G-shock to the system.

10. Prevent other harmful objects from entering the system.

11. Keep at least 1 meter between the system and the objects in the lighting.

12. Connect the power cable after the system has been installed.

13. Before powering on the system, be sure the power cable is connected into the power socket well.

14. Turn off the system for 25 minutes after running constantly for three hours, ensure that the system is able to cool down in a suitable environment.

15. Turn on the computer after the laser display system is on, or you must power on the computer again.

16. When to be transported, use the original package to avoid Shaking.

17. This sign indicates separate collection for electronics and electrical equipment.

Inspection information

In order to use the product securely and properly, please read the manual before using and follow the instructions strictly to prevent personal safety trouble and product damage caused by misuse. Take care of the product, check the possibility of the product damage caused by transportation and check all the machine and listed accessories are present upon receipt of the product.

1 x LASER display system 1 x User manual

1 x Power cable

Installation

1. Be sure that there is no flammable or explosive subjects nearby. The least clear proximity from the system should be 1.5 meters. At the same time, keep more than half a meter between the wall and LASER display system.

Remark: When Master-slave mode , any unit can be master. When they aren't synchronous , the slave will catch up with master , then to be synchronous .

2. When the 10th code is OFF: DMX control.

Maintenance

Clean the lens regularly. Do not use a wet cloth or chemicals; use a damp cloth. The maintenance period depends of the usage frequency and surrounding conditions of the LASER display system. It recommended that the system should be cleaned every 15 days.

Warning

Power off any related system before maintenance.

Declare

The end-user of this product should abide by the above instructions and warnings. Performing actions which was advised not to do so as stated by this manual may void the warranty of this laser display system.

All products made from Big Dipper Laser Company have anti - fake identification. please verify the anti-counterfeit label at the bottom of the case to ensure the interests of consumers.

		218-255	Anticlockwise rotate (automatic)
10	Display mode	0-63	Normal display
		64-127	Dot and line display
		128-191	Subsection display
		192-255	Dot Display
11	Wave	0-10	No wave
		11-200	Wave frequency from low to high
		201-255	Frequency and fixed extent from low to high
12	color	0-31	Yellow (Red Green)
		32-63	Green
		64-95	Red
		96-127	Break off color separation (red and green 2 colors)
		128-159	8 dots color separation (red, green and yellow 3 colors)
		160-191	16 dots color separation (red, green and yellow 3 colors)
		192-223	Red, green, yellow 3 color flows
		224-255	Change color by sound
13	Gradually-draw	0-1	No gradually draw
		2-150	Manual gradually draw
		151-250	Gradually draw circularly
		251-255	Sound control gradually draw

Remark

On the DMX 512 mode, the LASER display system will shut off if the DMX 512 signal intermit.

ADDRESS SETTING:

DMX address setup

1. When the 10th code is ON, the function of 1-9 codes is the following

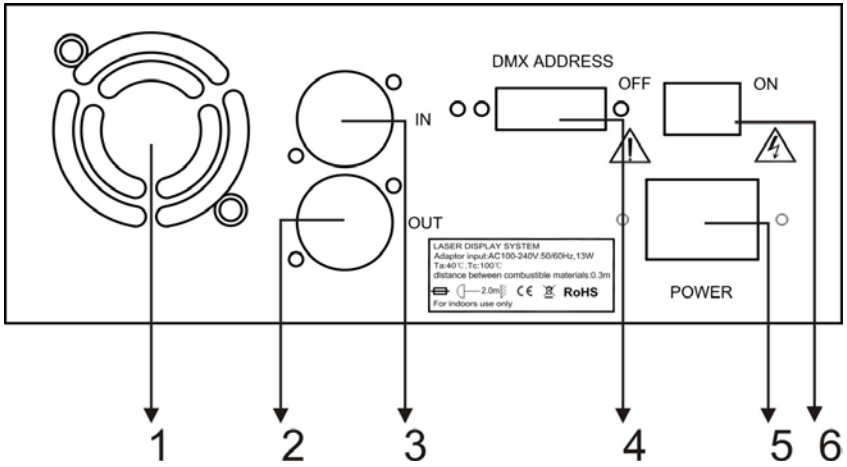
The 1st code is OFF------Sound control mode (host LASER)

The 1st code is ON------AUTO play mode (host LASER)

The 2nd code is ON------ (passivity LASER)

2. Be sure the power socket output voltage matches that off the LASER display system.
3. Ensure the fan and the exhaust is not blocked.
4. The LASER display system should be statically fixed.
5. It is essential to be earthed well for the sake of safety.

Back panel



Key-press function instruction

1. Fan
2. DMX512 signal output socket
3. DMX512 signal input socket
4. Binary address switch
5. Power socket
6. Power switch

Technical Parameters

Parameters \ Model		K006RG
1	LASER diode	Red/green
2	Power supply	AC100-240V, 50/60HZ
3	LASER power	R >100Mw G>60mW
4	Scanner angle	±15°
5	Control mode	Sound/Auto-play/ Single pattern by DMX/Master-slave
6	DMX	13
7	Effect	3D laser with high speed scanner can display hundreds of beam and graphics with move, strobe, rotate, zoom, gradually draw etc. tridimensional effects.
8	Dimensions	214*160*135MM
9	Net weight/ Gross weight	1.35/1.4KGS

DMX channel setting

Channel No.		DMX512 value	Content
1	Control mode	0-63	Shut off the LASER diode
		64-127	Sound mode
		128-191	AUTO mode
		192-255	Manual mode
2	Pattern	0-167	Static pattern
		168-255	Dynamic patterns
3	Strobe	0-255	8 grade speed (0~255)/30=(0~8)
4	Horizontal move	0-167	Manual move
		168-188	Automatic move circularly from left to right (have spring function)
		189-209	Automatic move circularly from right to left (have spring function)
		210-255	Automatic move around circularly
5	Vertical move	0-167	Manual move
		168-188	Automatic move circularly from up to down(have spring function)
		189-209	Automatic move circularly from down to up(have spring function)
		210-255	Automatic fluctuate circularly (from up to down and down to up)
6	Zoom	0-10	No zoom
		11-104	Manual zoom
		105-154	Automatic zoom out
		155-204	Automatic zoom in
		205-255	Automatic zoom circularly
7	Horizontal stretch	0	No stretch
		1-150	Manual stretch
		151-255	Automatic stretch
8	Vertical stretch	0	No stretch
		1-150	Manual stretch
		151-255	Automatic stretch
9	Rotation	0	No rotate
		1-180	Manual Rotate
		181-217	Clockwise rotate (automatic)